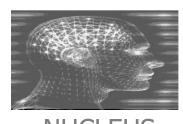
see beyond technologies



NUCLEUS

Nerve Centre of Knowledge



STREAM

Streamline your resources



infraSECURE

For a safer environment and a greener world



SMART Switch





Optimize Energy drain from Automated Teller Machines



see beyond technologies...

Core Focus

Product Development in areas of environment, productivity and learning

Research and Development of both Hardware and Software Products

Founded in 2008 by IT Technocrats – collective experience over 60+ years

Offerings

Environment Conservation and software compliance toolset **infraSECURE**

Productivity Enhancement – **STREAM**

Knowledge Portal – Learning, Evaluation, Training – **NUCLEUS**

Solution for optimizing energy drain from Energy utilities in a ATM Network – **GREEN Money**

Ambient condition based automatic lighting solution - **SMART Switch**

Interactive Corporate Chat application - interACT

Achievements

Successfully developed three products in the first year of operation

Hardware products for Energy conservation on lighting are approved for implementation after extensive pilots.

Winner of the Sustainability Award conducted by India Carbon Outlook

Recognized by various customers for our initiatives on Environment conservation



Background

Automated Teller Machines is the new age personal banker

ATM adopters find them

Quicker

Experiential

Economical

There are approximately over 100000 ATMs in India and growing

Energy Consumption from ATM is a major concern

Optimization of Energy Drain is important

Challenge of user experience impact and change adoption is to be overcome



GREEN Money Capabilities

Reduce power consumed in the ATM Centers
Ambient lighting and temperature control provides
maximum savings without disrupting end user experience
Conserve Electricity and add value to CSR initiatives.

Automatic configurable UPS Health Monitoring
Central console to Manage all ATMs
Manage multiple devices and customize across Banks
Immediate Threat Notification

e-Attendance of housekeeping and FLM engineers
Online and offline mode support
Asset Tracking and Management
Extensive Dashboard, reporting to help management

Energy Savings

Cost Savings

Reduce downtime

Better SLA Handling

Simple

Deployment

Holistic Control and Management

Electronic Attendance

Instant Alerts and Threat Notification



Architecture Overview

Facility Power Management

Manage Lighting and Cooling Power Drains from a Central Location

Monitor health of UPS and track Power Status

Intelligent Energy utilization

Industry Strength Repository

Central Console For Administration

Multi-tier Architecture Customize Power
Policies, track footfall,
Location, usage and
convenience factors

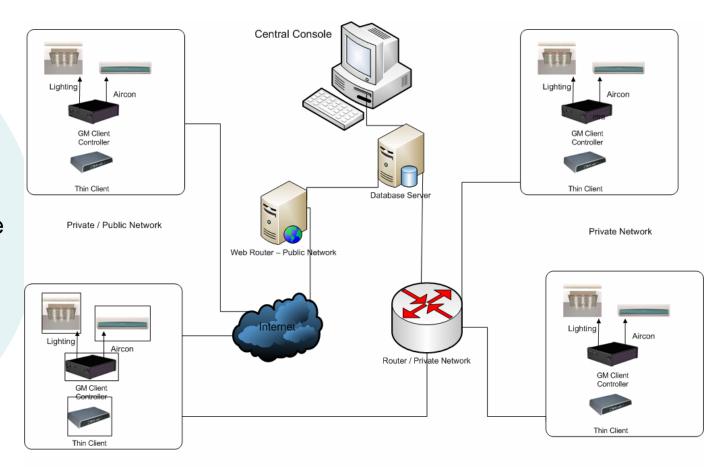
Alert notification, attendance recording and other important parameters

Software controlled Devices



Network Architecture

Supports
both private
and public
networks. In
case of sites
with no private
network, data
can be
collected
through public
networks!





Benefits

Feature	Advantage and Benefit	
Comprehensive overview of the status at each ATM site	Get complete update of each and every ATM in the network, helping in getting a consolidated overview , region wise , bank wise , city wise .	
Alerts due to Seismic activity are sent to the Server as and when they happen	Alerts are triggered back to the NOC (Network Operation Center) and an email/SMS alert can be triggered for immediate action.	
Cost savings by way of bringing down energy consumption, without disrupting end user experience	Costs savings due to energy management results in overall profitability for the Service Provider.	
Automatic Alerts on prolonged UPS downtime.	FLM (First level Maintenance) calls need not be registered if there is a ATM down due to prolonged power down situation, helps save cost.	



Benefits

Feature	Advantage and Benefit	
Better SLA handling with Banks	Exhaustive reports on Energy trend, Temperature Trend and upkeep data from the sites can help in taking informed Decisions .	
Complete Asset management of appliances	Manage Assets and keep a tab of the inventory for each site, can be linked to your asset management database for easy control.	
Attendance recording	SLA (Service Level Agreements) with end customer can be handled much better giving the service provider a complete control over the visits made by field representatives.	
Live Dashboard Status	The dashboard status provided by the tool can give a snapshot view of the situation for all ATM's covered by the solution.	



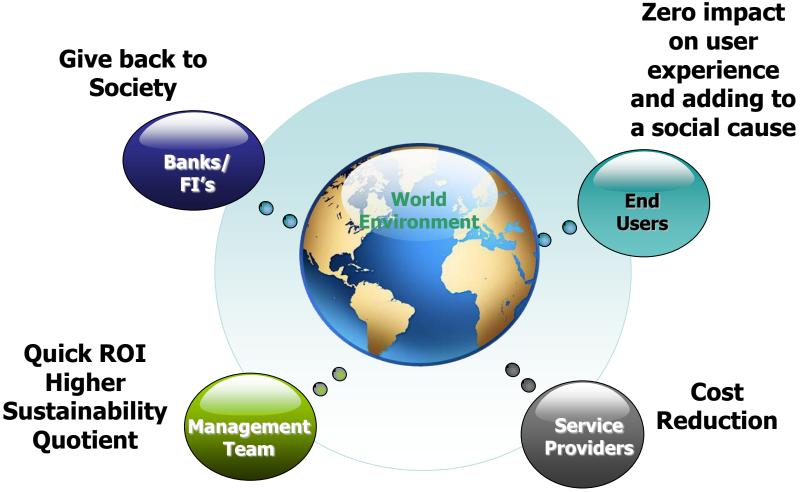
ROI and Potential Impact

Daily Projection					
Appliance turned off / switches over to low power	Energy units Saved for 10 hours /day	Cost Saved (INR 6 per unit)	Cost Saved (for 1000 ATM)		
Air conditioner	21.0	126	126,000		
Lighting	1.3	8	8,000		
Total	22.3	134	134,000		
Annual Projection					
Air conditioner	7,665	45,990	4,59,90,000		
Lighting	475	2,850	28,50,000		
Total	8,140	48,942	4,88,40,000		
Potential Impact					

There are approximately **100,000 ATM's** deployed and **60,000** to be deployed in 2 years. If a majority of these adapt this solution, at **50%** coverage, **Co2 Reduction per annum** would be approximately **4.8 Lakh Tonnes**.

Cost Savings by way of electricity will be approximately INR 400 Crores.Per annum

Stakeholder Benefits





Value Proposition

